

**DATA REPRESENTATION AND RETRIEVAL METHOD AND APPARATUS  
FOR HIGH SPEED DATA SEARCH AND RETRIEVAL**

Abstract of the Disclosure

5       A data representation and retrieval method and apparatus  
enables to quickly locate and extract specified data from a  
data file with use of supplemental data stored in a small  
storage file. The method includes the steps of providing a  
10      primary data file which stores a large volume of recorded  
data where a location of each piece of recorded data is  
represented by an offset value, providing a secondary data  
file which stores supplemental data for assisting to search  
and retrieve the recorded data from the primary data file,  
15      accessing the secondary data file to retrieve supplemental  
data corresponding to search data specified by a user, and  
accessing the primary data file at locations specified by  
offset values derived from the supplemental data and  
retrieving the recorded data therefrom.

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